

Behavior Based Safety Zapp





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Site Utilities Department (SUD)
Westinghouse Sevensh Diver Company

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- 240 employees
- 11 High Performance
 Work Teams
- Non-Union
- Steam Generation capabilities of 210,000 pounds per hour
- 132 miles of 13.8 kV Distribution Lines
- 960 gallons per minute of domestic water
- 300,000 gallons per day of sanitary water
- Operating Budget of 55 M





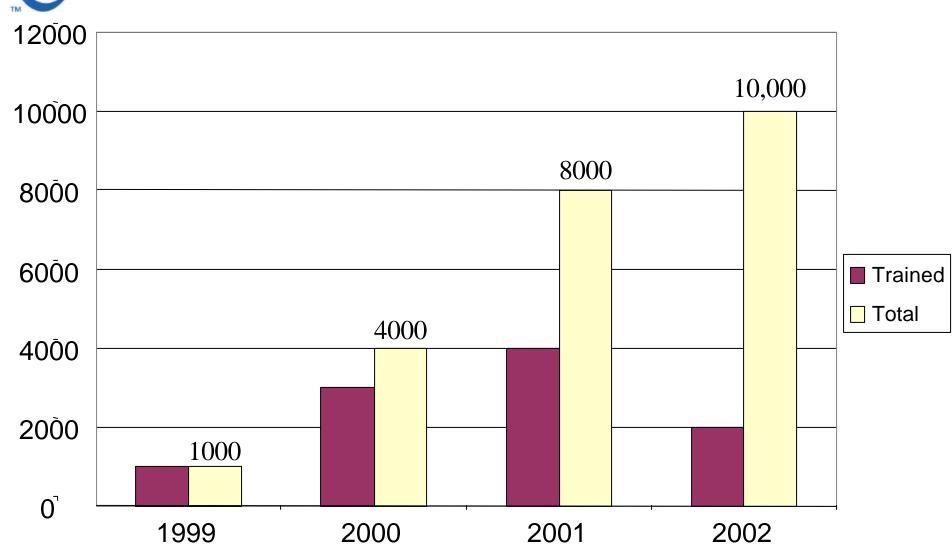




- 310 Square Mile Site
- ~12,000 employees



WSRC BBS Trained (entire site)





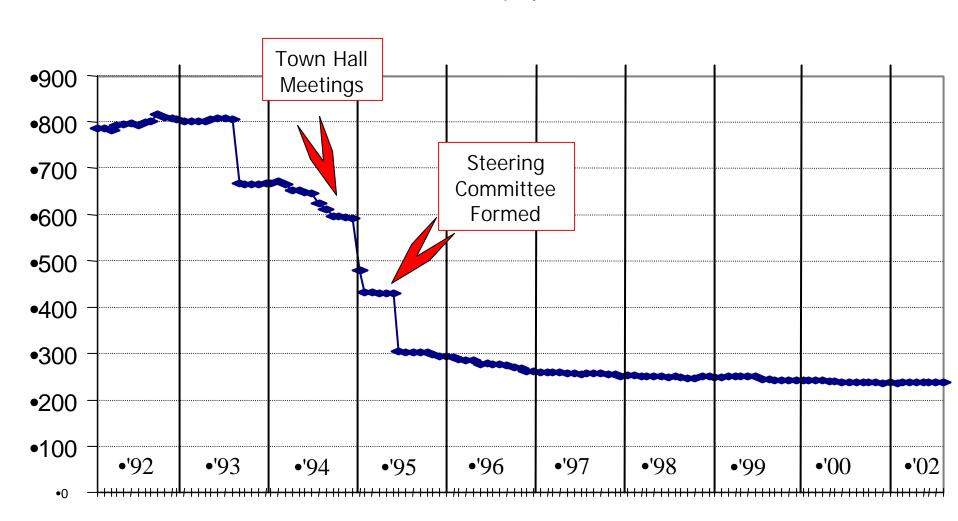
Initial Search

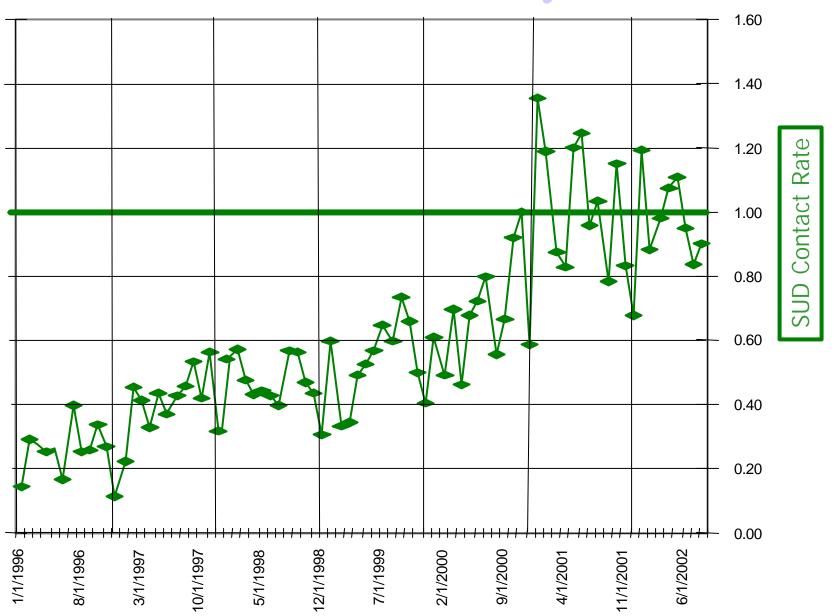


- Began in mid-1994 with Town Hall meetings.
- Recognized that our department safety needed a long term commitment to change.
- Proactive vs. Reactive
- Provide leading vs. lagging indicators
- Employee owned vs. management driven
- Offered a proven scientific approach based on behaviors and consequences.
- Formed a "process" vs. a "program".
- Was not "attitude" based.



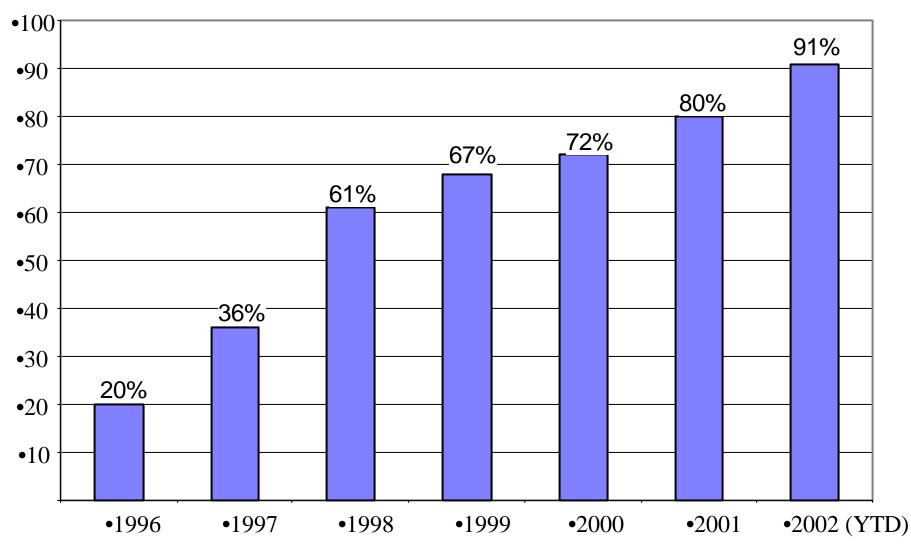
Number of Employees





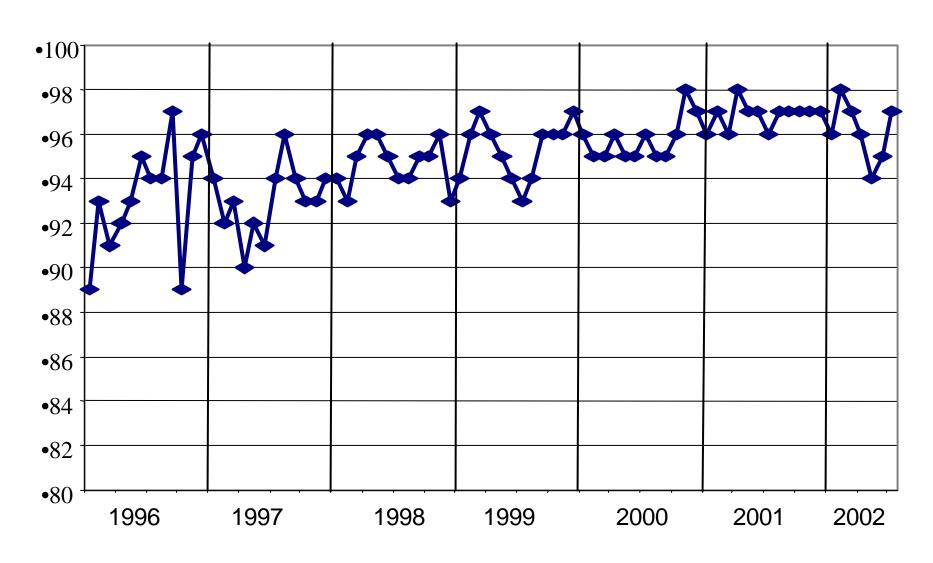


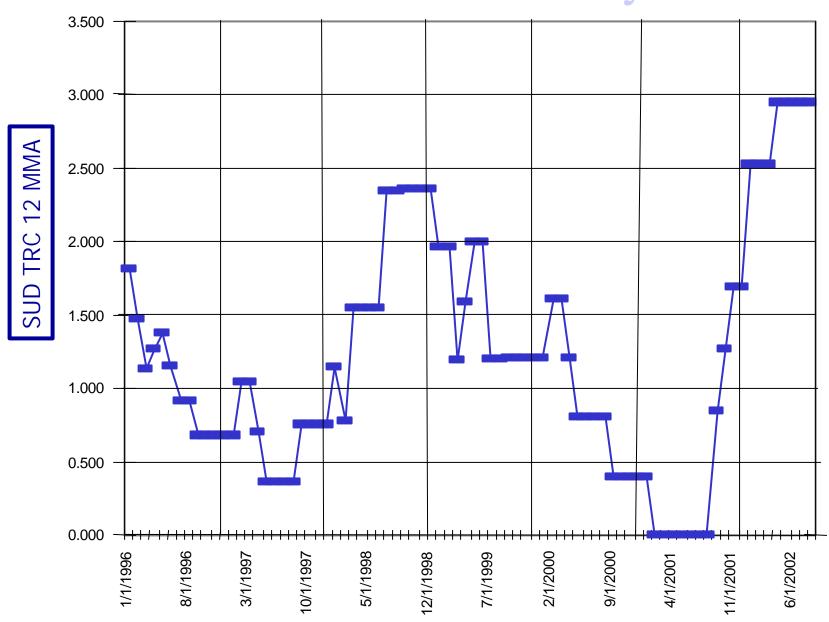
SUD Percent Trained Observers

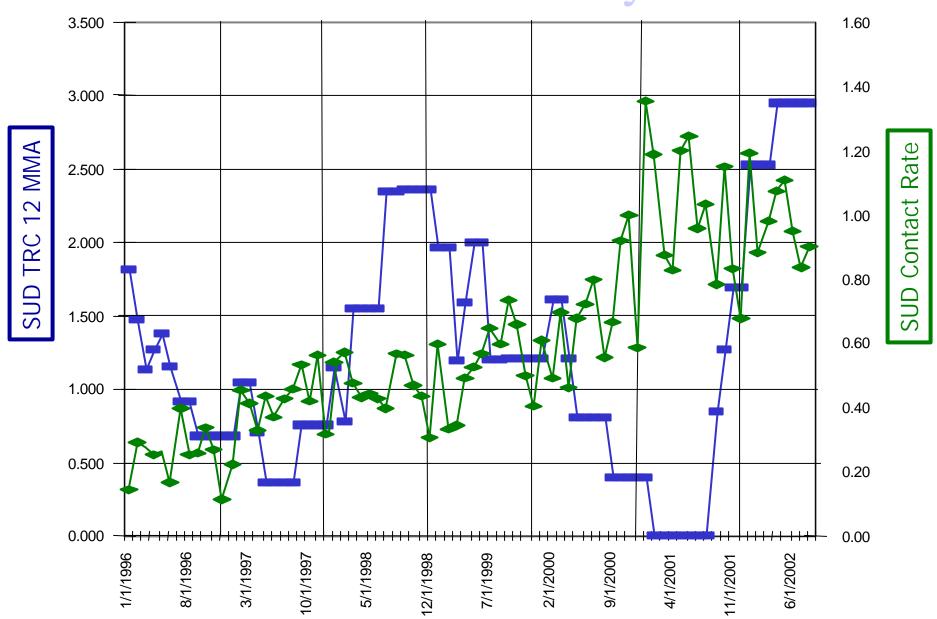




SUD Percent Safe

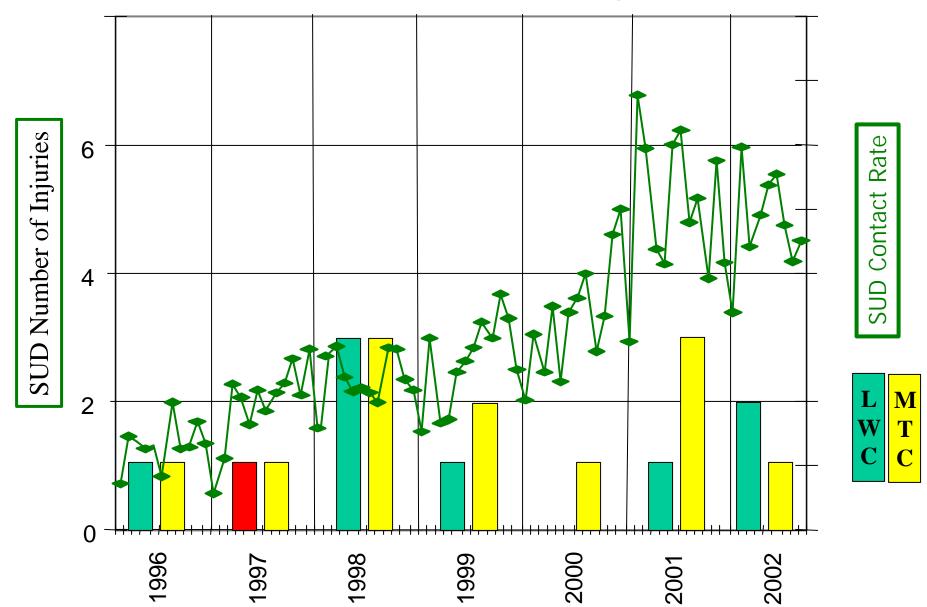








Injury Severity



Injury Severity

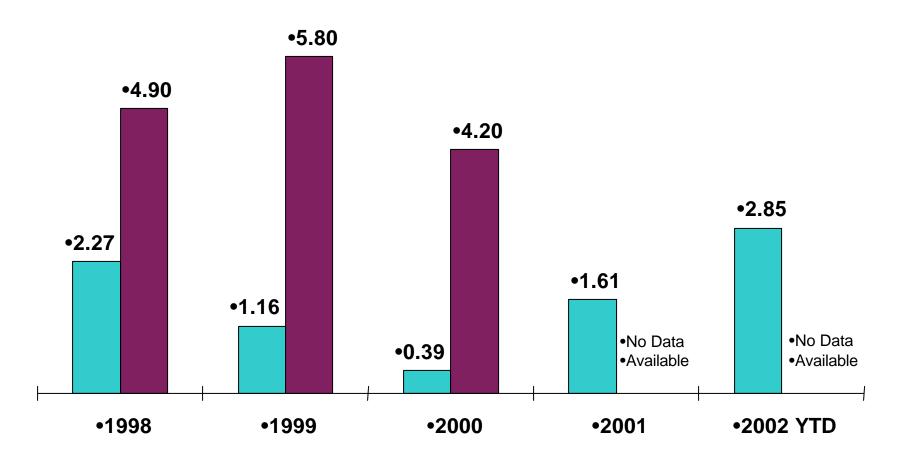
| 1996 | Laceration - door struck head | 2000 | Bruised Thumb - turning valve |
|------|---|------|---|
| 1997 | Blisters - not wearing socks Herniated Disc - digging ditch | 2001 | Laceration - turning valve Debris in Eye - walking |
| 1991 | Laceration - cutting tie wrap | | Muscle Pull - lifting |
| 1998 | Back Strain - lifting pump | | Bruised Thumb - closing door |
| | Breaker Exploded - 2 ⁰ burn (arm) Debris in eye - cleaning Burn to hand - touched steam line Back Strain - Lifting man hole cover Laceration - cutting tape with knife | 2002 | Laceration - descending stairs Bruised Knee - struck by shield Contusions - descending stairs |
| 1999 | Burn - cutting bolts | | |
| | Debris in eye - walking | | |
| | Broken vessel - kneeling | | |



•Westinghouse Savannah River – Site Utilities Department

•Recordable Rate by Year Compared to Industry Average

■•SUD ■•Industry Average

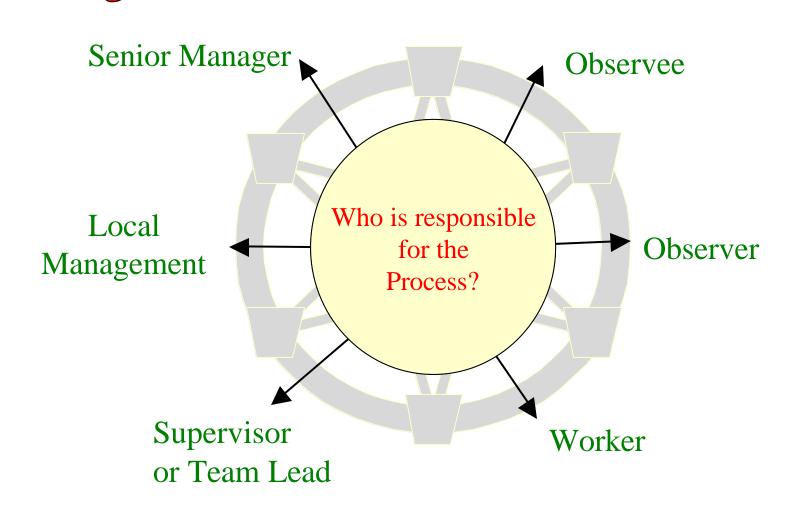




Implementation Lessons Learned

- Focused on training vs implementation
- Neglected the first and second line managers
- Lacked continued visibility of senior management (appeared to be a priority)
- Failure to distinguish between volunteerism and accountability
- Cultivated the idea of "two" safety processes (i.e. we have safety and we have "BBS")
- Not recognizing what could "go away"
- Lack of dedicated resources
- BBS will be held "hostage"

Organizational Motivation



OKAY That's My Story!!!

